

**IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY SECTION
CONSTRUCTION PERMIT APPLICATION**

SCHEDULE-3a, Water Systems - Preliminary Data

Date Prepared	Project Identity
Date Revised	

1. Population:

a. Existing Population: _____

b. Design Year: _____ Design Year Population: _____

2. Water Requirements:

Consumptive Uses (excluding fire flow)	Existing Demand		Design Year Demand	
	Average Day (gpd)	Peak Day (gpd)	Average Day (gpd)	Peak Day (gpd)
Domestic				
Commercial				
Industrial				
Water Plant				
Unaccounted for losses				
Other (specify)				
TOTAL				

Fire Flow Capacity at 20 psi Residual Pressure	Existing Capacity		Design Capacity with Improvements	
	gpm	hours	gpm	hours
Residential Minimum				
Residential Maximum				
Commercial Minimum				
Commercial Maximum				
Industrial Minimum				
Industrial Maximum				

3. Source Capacity

	Existing Capacity (gpd)	Design Capacity with Improvements (gpd)
Firm Capacity		
Total Capacity		

4. Treatment Facility Capacity:

Design Capacity of Existing Facility: _____ gpm

Design Capacity of Existing Facility with Proposed Improvements: _____ gpm

5. High Service Pumps

	Existing Capacity (gpm)	Design Capacity with Improvements (gpm)
Firm Capacity		
Total Capacity		

6. Storage

	Existing Capacity (gallons)		Design Capacity with Improvements (gallons)	
	Total	Effective	Total	Effective
Clearwell				
Standpipe				
Elevated				
Pressure Tank				
TOTAL				